

Minimum Guidelines for Waterline As-built
Revised August 2015

Record Drawing Checklist:

- ☐ Provide two (2) paper copies for each plan sheet and submit for inspector review.
- ☐ Provide a North Arrow oriented to Grid North.
- ☐ Use the North Carolina State Plane Coordinate System, U.S. Survey Feet as Units of Measure (grid coordinates, carried to two or more decimal places), NAVD 88' Vertical Datum, NAD 83' Horizontal Datum (epoch specified). This special reference shall be clearly noted on the drawing. The relative horizontal and vertical accuracy of field surveyed data should be equal to or less than 0.10 feet.
- ☐ Provide monument grid tie with bearing and distance. The grid monument must be tied to the "tapping valve" or the nearest valve to the connection point.
- ☐ Show the Easement Area?
- ☐ Show street names/ROW?
- ☐ Show lot and/or building numbers if required on the as built?
- ☐ Show **911** addresses for each meter **AND** provide a separate *official 911* address list?
- ☐ Show the City Project Name and number.
- ☐ If this is part of another phase show the limits of the prior approved phase and make sure it is shown correctly.
- ☐ Does it show Northing, Easting and Elevation for all above ground appurtenances including FDC and three (3) points minimum for vaults and either three (3) points minimum or 1 point centered on the upstream side for backflows.
- ☐ If applicable, all required manufacturer, model numbers, manuals and pertinent information for booster pumping station components, control equipment and storage tanks.
- ☐ The As-built must be certified signed, dated, and sealed by a registered Professional Engineer. The text "As-Built Record Drawing" must be clearly marked on each page.
- ☐ One (1) copy of a digital electronic file in AUTOCAD.DWG format (version 2008 or the latest employed by the City) digital and paper copy must match. One (1) ASCII file of the above structures in (NAD 83). All ASCII POINTFILES are comma-delineated files that include **point number, northing, easting elevations and description.**

Project Table is required and is to have the three following items:

1. Does it have Waterline Easement Plat Referenced? P.B.____ Pg. _____
2. City of Asheville Project No: e.g. **WPFY-12-13-001**_____
3. Estoppels Certificate Required: Yes_____ No_____

For City Use:

- ☐ Check it with approved plan.
- ☐ Take a copy to the field and make sure it is correct.
- ☐ Are lots marked? If not call owner it will need to be so we can check.
- ☐ Is there a meter for each lot?
- ☐ Does any lot have two meters?
- ☐ Is there an air release valve mislabeled as a meter?
- ☐ Any hydrants, valves, air release, etc. shown on the plan but not installed in the field or installed in the field but not on the plan?